

## Site Development Permit Plan Review Checklist

## - Water & Sewer - \*\*REQUIRED\*\*

Project	Name: Date:	
Applica	nt Name: Signature:	
**Note	: The Water & Sewer Site Development Permit Plan Review Checklist i	s required to be completed
and sub	mitted with the Site Development Permit Application. **	
permit, a	ose of this checklist is to assist the consultant in preparing a complete submittal packaged and ultimately assist in faster permitting. Additional information may be required after all Site Development Permit checklists by other site development plan review departme	staff review. Please also refer to
	write Y, N, or N/A in the space to the left of each item, and a	
-	(Water and/or Sewer)	<u>Note</u>
	If water and/or sewer systems are proposed in areas to be paved, graded, or include stormwater control features, provide applicable plans for Paving, Grading, and Draina	
2)	Locate all public utilities (portions of the system that will or have the potential to serv more than one customer) within a public easement or right-of-way dedicated to the C	I *
3)	Provide recorded plats of the public easements for proposed water and/or sewer line	5. 3)
4)	Provide certification stating that the proposed water and/or sanitary sewer lines are r constructed on solid waste landfills and that they do not serve existing or proposed structures constructed on solid waste landfills.	4)
5)	Water or sewer facilities to be dedicated to the City for operation and maintenance require a Water & Sewer Agreement between the developer and the City. Provide a Water & Sewer Agreement.	5)
6)		6)
7)	A restrictive covenant is required for privately owned and maintained sanitary sewer water systems (i.e. private water main, sanitary sewer gravity main, lift station, and forcemain).	and 7)
Water		Note
9)	with service laterals only are excluded.) Select and size the water meter according to Exhibit #3 "Sizing and Selection of Water  Meters"	9)
10)	Meters".  Provide a completed Exhibit #4 "Proposed Water Distribution System Analysis Data	10)
11)	Form".  Provide a copy of flow testing/pressure monitoring report (e.g. fire hydrant flow test).	in 11)
12)	compliance with Exhibit 8.  A water system analysis, indicating flows and pressures, must be provided for: resider	
13)	subdivisions with 10 or more lots; commercial development; and industrial development. Results from the water system analysis (above) must match Exhibit #4.	13)
14)	Provide a completed Exhibit #5 "Fire System and Backflow Prevention Devices Owner/Client Declaration."	14)



15) For developments using irrigation water, Exhibit #7 "Equivalent Residential Use (ERU)	15)
Calculations" must include irrigation water usage and connection fees.  16) Provide plans and specifications for proposed irrigation system.	16)
47) Describe a secondate of Eutribit #0 IIFine Described Described Described Described	4.7\
17) Provide a completed Exhibit #8 "Fire Protection Design Requirements"	17)
18) Provide plans and specifications for a fire protection system. All connections to private fire service mains for fire protection system must be arranged so that they can be isolated in accordance with NFPA 24 Section 6.2.11.	18)
Sanitary Sewer	Note
19) Provide a completed Exhibit #1 "Proposed Sanitary Sewer Collection System Analysis	19)
Data Form". (Projects with service laterals only are excluded.)	
20) Provide a completed Exhibit #6 "Sanitary Sewer Extension Submittal City of Savannah". (Projects with service laterals only are excluded.)	20)
21) Grease traps are required for establishments serving food prepared on-site, e.g. –	21)
bars/restaurants, hotels, hospitals, school cafeterias, etc. For these developments, provide grease trap hydraulic sizing calculations signed by a State of Georgia registered	
professional engineer	
22) Provide a completed "Industrial Discharge Survey" for facilities that discharge wastewater generated from non-domestic use.	22)
Lift Stations	Note
23) Provide calculations for average daily flow and peak flow pumping demands. (Reference Exhibit #7.)	23)
24) Provide the following calculations for all structures: Static Head; Friction Head; Total Dynamic Head; Net Positive Suction Head; Pump Cycle Times; Wet Well Volume; and Buoyancy for all Structures.	24)
25) Provide the following force main information: Material; Diameter; Length (Linear Feet); Equivalent Length (includes fittings); and design "C" factor.	25)
26) Provide the following curves and label with the proposed duty point(s): Pump Pressure vs. Flow; Pump Efficiency vs. Flow; System Headloss vs. Flow.	26)
27) Provide sufficient data to demonstrate that downstream gravity pipes, forcemains, lift	27)
stations, etc., have sufficient capacity to receive the lift station flow.	
28) Provide a potable water supply with backflow preventer inside the lift station site.	28)
29) The lift station must include a valve dry pit with a drain line and duckbill check valve back to the wetwell.	29)
30) Provide provisions for back-up power or pumping.	30)
31) Provided a bypass line (for pigging or temporary pumping).	31)
32) Specify coating system for concrete structures.	32)
General Drawing (Water and/or Sewer)	Note
33) Acknowledge: 24" x 36" as-built drawings are required by the Water & Sewer Private	33)
Development Projects Closeout Policy (GA State Plane coordinates, East Zone, NAD 83,	,
NAVD 88, U.S. Survey Foot). Coordinates shall be provided on all structures, detention facilities, manholes, valves, fire hydrants, tees and bends.	



34) Show existing and proposed water and sanitary sewer lines, including size, material, flow direction (sewage), utility system owner, and other pertinent information.	34)
35) Show all water and sewer lines in plan and profile. (Service laterals not required on profile.)	35)
36) Show all water and sewer service connections. Indicate connection sizes, types, and materials.	36)
37) Show minimum cover requirements and minimum vertical and horizontal clearances.	37)
38) Provide City of Savannah standard W&S details where appropriate. Provide standard W&S note details (W-44, S-17).	38)
Water System Drawings	Note
<ul> <li>39) Provide backflow prevention devices for all water laterals (domestic, fire, irrigation) serving the development in accordance with City of Savannah specifications and best engineering practice.</li> </ul>	39)
40) Provide the locations, sizes, and types of backflow prevention devices.	40)
41) Provide details for all backflow prevention devices.	41)
42) Provide water meters for all laterals (domestic, irrigation) serving the development in accordance with City of Savannah specifications.	42)
43) Provide the locations, sizes, and types of water meters.	43)
44) Provide details for all water meters.	44)
45) Provide a statement indicating whether or not an irrigation system is included in the Project.	45)
46) Provide a statement indicating whether or not a fire protection system is included in the Project.	46)
47) Provide the locations of the hydrants tested (flow) and monitored (pressure) for water pressure.	47)
48) Provided the locations of existing/proposed hydrants used for fire protection.	48)
Sanitary Sewer Drawings	<u>Note</u>
49) Provide oil and grease trap locations and details in accordance with City of Savannah's Grease Interceptor Standards.	49)
50) Clearly indicate sanitary sewer structures to receive coating.	50)
51) Clearly note the force main discharge point.	51)
52) Provide a statement indicating whether or not the project will discharge industrial wastewater to the sanitary system.	52)

For more information, contact the City of Savannah Water and Sewer Planning and Engineering Department at (912)651-6573.